

## Type I Progress Report

### ERTS-1

(cover sheet)

- a. Title: Appraising Changes in Continental Migratory Bird Habitat

ERTS-A Proposal No.: SR 255

- b. GSFC ID No. of P.I.: IN 051

- c. Statement and explanation of any problems that are impeding the progress of the investigation:

There are no problems which are manifest at this time to impede investigation data processing and analysis. All CCT's and photographic products which have been requested for this analysis are now on hand.

- d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period:

Statistics on surface water occurrence and areal extent have been generated for data of 31 July 72, 14 May 73, and 7 July 73. These sequential statistical data sets are for the same geographic area centered approximately on Woodworth, North Dakota and comprising 922 km<sup>2</sup> (356 mi<sup>2</sup>) in the North Dakota Drift Plain and 2389 km<sup>2</sup> (923 mi<sup>2</sup>) in the Missouri du Coteau. Thus, these data will provide a measure of open surface water occurrence from season to season, year to year, and between physiographic regions.

The generation and analysis of the aforementioned statistics comprise a major effort of this program. Another task (undertaken by ERIM under a contract amendment) for mapping areas of surface wetness and potential wetland productivity involve vegetation mapping. Our intent is to map areas of shallow and deep marsh vegetation and to use these data as indicators of wetness and potential productivity. We are now midway through accomplishment of this task and expect to complete it by mid-March.

- e. Discussion of significant scientific results and their relationship to practical applications or operational problems including estimates of the cost benefits of any significant results (to be prepared in scientific abstract form of 200 words or less):

A discussion of significant results is premature at this time since a complete analysis of processing results has not been concluded.

(E74-10414) APPRAISING CHANGES IN  
CONTINENTAL MIGRATORY BIRD HABITAT  
Progress Report, 1 Jan. - 28 Feb. 1974  
(Bureau of Sport Fisheries and Wildlife)  
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APPRAISING CHANGES IN CONTINENTAL MIGRATORY BIRD HABITAT

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Type I Progress Report for Period 1 January 1974 - 28 February 1974

Prepared for:

Goddard Space Flight Center  
Greenbelt, Maryland 20771

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Wildlife

(category 7K)

- f. Listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

None

- g. Recommendations concerning practical changes in operations, additional investigative effort and/or results as related to a maximum utilization of the ERTS system:

None

- h. A listing by date of any changes in Standing Order Forms:

None

- i. ERTS Image Descriptor forms:

None

- j. Listing by date of any changed Data Request forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

None

- k. Status of Data Collection Platforms (if applicable):

Not applicable.